FY03 DON Pilot Project Summary

Project Name: Aircraft Shot and Recovery Log – Web Enabled (#411)

Command: AIRPAC/AIRLANT

Functional Area Manager (FAM): Readiness

Pilot Summary:
The purpose of this pilot was to improve the collaborative processes from the Aircraft Carrier flight deck to V-2 Maintenance for the collection, distribution, reporting, and data sharing of shot log and catapult data. This system eliminates the repetitive data entry and paper processes associated with the current "sneaker net" process for distribution of the data. ASRL successfully demonstrates process improvement and associated workload reduction for V-2 sailors, by reducing time, cost, and errors in the collection, storage, and distribution of this critical flight safety information. This solution improves shipboard performance by providing an avenue to conduct standardized training on how to correctly record critical Aircraft Shot and Recovery Log data. The new process allows operators to log catapult and Pri-Fly data on touch screen laptops and update the ASRL Database in real time. The ASRL Database populates an electronic version of the R-Status Board, and is now displayed on a 52 – inch flat screen monitor in the V – 2 Maintenance Office. The display automatically refreshes every two minutes, or manually on demand, providing the Maintenance Office visibility of required maintenance actions immediately following completion of flight operations. The electronic R – Check Board is now enhanced with color-coded tolerance levels, set to identify required preventative or critical equipment maintenance.

Business Value Added:
- Reduced V-2 Workload for data collection and processing of ASRL Data by 90%
- Reduced amount of afloat and ashore training time for ASRL data recorders by 75%
- Reduced the time required for NAVAIR Lakehurst to identify performance problems by up to 90%
- Reduced time to make ASRL data available to maintenance personnel by 100%
- Reduced the time required to update the R-Status board by 60%

Other Considerations:
- Received DoN CIO eGov Award 2003
- Serves as the technology platform for the ADMACS Block II funded IT upgrade for NAVAIR
- Will be implemented in FY05 on all Integrated Shipboard Information System (ISIS) ready carriers
- This technology could be exported to NAVSEA for processing of similar event driven maintenance scenarios

Pilot Participants:
- NAVAIR NAWCAD
- CVN-74 USS John C. Stennis

Targeted Users:
- Aviators and Catapult Maintenance Crew Members